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NOTICE OF ALLOWANCE AND FEE(S) DUE

23446 7590 05/09/2008
MCANDREWS HELD & MALLOY, LTD
500 WEST MADISON STREET

EXAMINER

PATEL, JAGDISH

ART LINET PAPER NUMBER

3693 DATE MAILED: 05/09/2008

500 WEST MADISON STREET SUITE 3400 CHICAGO, IL 60661

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,196	02/25/2004	Anthony J. Saliba	12778US03	2400

TITLE OF INVENTION: METHOD AND APPARATUS FOR STOCK AND INDEX OPTION PRICE IMPROVEMENT, PARTICIPATION, AND INTERNALIZATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	08/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THE APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used I correspondence including d below or directed off ions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a					hould be completed where correspondence address as trate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				No Fe pa ha	te: A certificate of e(s) Transmittal. Th sers, Each additions re its own certificate	mailing is certil I paper of ma	can only be used fo icate cannot be used f , such as an assignme ling or transmission.	r domestic mailings of the or any other accompanying nt or formal drawing, must
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CHICAGO, IL 6	0661							(Depositor's name)
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								(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.		CONFIRMATION NO.
10/786,196	02/25/2004			Anthony J. Saliba			I2778US03	2400
TITLE OF INVENTION	N: METHOD AND A	PPARA	TUS FOR STOC	K AND INDEX OPTI-			ENT, PARTICIPATIO	ON, AND
APPLN. TYPE	SMALL ENTITY	IS	SUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES		\$720	\$300	\$0		\$1020	08/11/2008
EXAM	INER		ART UNIT	CLASS-SUBCLASS	7			
PATEL, J.	AGDISH		3693	705-037000	-			
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 1/122) attached. cation (or "Fee Address 2 or more recent) attach ND RESIDENCE DAT. cess an assignee is ident in 37 CFR 3.11. Comp	nge of "Indicated. Use	Correspondence ation form e of a Customer		o 3 registered pater ively, the firm (having as a agent) and the nam orneys or agents. If e printed. (pp) patent. If an assign assignment.	memb es of u no nan	er a 2p to e is 3	ocument has been filed for
Please check the appropri		catego		. Payment of Fee(s): (Ple		•		oup entity Government
☐ Issue Fee ☐ Publication Fee (No small entity discount permitted)			- D	A check is enclosed. Payment by credit card. Form PTO-2038 is attached.				
Advance Order - #		ermitte		The Director is heret overpayment, to Dep	y authorized to cha	ge the	required fee(s), any de	ficiency, or credit any n extra copy of this form).
	SMALL ENTITY state	ıs. See	37 CFR 1.27.	b. Applicant is no lo				
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) v tes Pat	will not be accepted ent and Trademark	from anyone other than Office.	the applicant; a reg	stered	attorney or agent; or th	e assignee or other party in
Authorized Signature					Date			
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This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bu irginia 22313-1450. DC 13-1450.	FR 1.3 U.S.C. USPT rden, sl D NOT	11. The information 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR C	on is required to obtain or 1.14. This collection is e depending upon the ind e Chief Information Offic COMPLETED FORMS	retain a benefit by stimated to take 12 vidual case. Any co er, U.S. Patent and O THIS ADDRES:	he pub minute mmen Trader S. SEN	tic which is to file (and to complete, including s on the amount of tin nark Office, U.S. Depo D TO: Commissioner	by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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MCANDREW	S HELD & MALLOY	PATEL, J	AGDISH	
	DISON STREET	ART UNIT	PAPER NUMBER	
SUITE 3400	:0661	3693		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 926 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 926 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)
10/786,196	SALIBA, ANTHONY J.
Examiner	Art Unit
IAGDISH N. BATEI	2602

The MAILING DATE of this communication appears on tall claims being allowable, PROSECUTION ON THE MERITS IS (OR REI herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initia
 This communication is responsive to <u>amendment filed 4/3/08.</u> 	
The allowed claim(s) is/are <u>14-61</u>.	
3.	ceived. ceived in Application No have been received in this national stage application from the bear received in this national stage application from the summunication to file a reply complying with the requirements this application. te the attached EXAMINER'S AMENDMENT or NOTICE OF n(s) why the oath or declaration is deficient. mitted. ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of the could be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d).
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	Notice of Informal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary (PTO-413),
 Information Disclosure Statements (PTO/SB/08), 	Paper No./Mail Date 7.
Paper No./Mail Date	8. X Examiner's Statement of Reasons for Allowance
of Biological Material	

9. 🗌 Other _____.

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DETAILED ACTION

This communication is in response to amendment filed 4/3/08.

Response to Amendment

- Claims 1-13 have been canceled
- Claims 14-61 are pending and are allowed.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

Reasons for Allowance

5. The following is an examiner's statement of reasons for allowance:

<u>Claims 14-61</u>: The claimed invention pertains to method and apparatus for trading securities including stock options.

The following prior art references have been deemed most relevant to the allowed claim(s):

<u>Horrington et al.</u> (US 6,493,682) discloses a method of determining when to place an order, subject to uncertain execution, in exchange for better execution prices, an example of which is limit order trading in the U.S. equity market.

<u>Lange</u>: <u>Jeffrey</u> (US 6,321,212) teaches systems and methods for demand-based trading. More specifically, this invention relates to methods and systems for trading financial products Application/Control Number: 10/786,196

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having demand-based adjustable returns, and systems and methods for determining those returns.

Patterson, Jr. et al (US 5,793,301 and US 5,774,877) discloses system which relates to computer-based techniques for transferring orders, quotes, and memos from a remote location to a floor broker on the floor of a financial exchange. The system provides assurances that instructions are noticed, timely processed, and faithfully followed regardless of the location of the floor broker on the trading floor.

Rickard et al. (US 6,016,483) teaches a computer-based system for determining a set of opening prices for a number of series of options traded on an options exchange and for allocating public order imbalances at the opening of trading. Market makers input a current position, a desired target position and market maker orders for options series from market maker terminals. An order entry system receives public orders for options series. A controller determines a set of implied volatilities (prices) for each options series that will maximize a weighted volume of trades across all option series at the opening. Contra orders that can be matched at the opening price are then executed.

FRASER et al. (WO 009826363A1) teaches a data processing system for implementing transaction management of auction-based trading for specialized items such as fixed income instruments which provides a highly structured trading protocol implemented through a sequence of trading paradigms. System proprietors in automated options and futures processing obtain data for quantifying and evaluating positions pursuant to trading option and futures contracts on individual securities.

Ronald J Blavers et al. "Autocorrelated Returns and Optimal Intertemporal Portfolio Choice", Management Science; Nov 1997; 43, 11; ABI/INFORM Global pg. 1537 discloses an explicit analytical solution to the dynamic portfolio problem of an individual agent saving for retirement (or other change of status, like the purchase of a house or starting college) is derived. Using a normal ARMA (1, 1) process, dynamic programming techniques combined with the use of Stein's Lemma are employed to examine dollar-cost- averaging and age effects in intertemporal portfolio choice with CARA preferences.

All claims: The aforementioned references as discussed above as the Closest Prior art of record fails to teach or suggest or render obvious a system (claims 14-19) which comprises an electronic order flow provider which generates an option order and an electronic drop system connected to the order flow provider that receives a copy of the option order at

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substantially the same time as a market which is in communication with the electronic order flow provider receives the option order from the electronic order flow provider and the electronic drop system submits a contra-order based on the option order to the market for fulfillment.

System claims 55-61 are allowed based on similar reasoning as system claims 14-19.

Claims 20-34 are allowed because they recite the underlying process of system recited in claims 14-19.

Claims 35-54 are allowed because the aforementioned references as discussed above as the closest Prior art of record fails to teach or suggest or render obvious a method of trading which comprises automatically submitting a contra-order to at least one a first server and a second server within the market for fulfillment where the contra-order is based on an order submitted to the first server from an electronic order flow provider.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAGDISH PATEL whose telephone number is (571) 272-6748. The examiner can normally be reached on 800AM-630PM Mon-Tue and Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **KRAMER JAMES A** can be reached on **(571)272-6783**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/JAGDISH N PATEL/ Primary Examiner, Art Unit 3693